

ABSTRACT

A method and a system for three-dimensional printing of a three-dimensional model is provided. The method includes dispensing a first interface material from a printing head, dispensing at least a second interface material from the printing head and combining the first and second interface material in pre-determined proportions to produce layers for forming the three-dimensional model. In one embodiment, the layers forming the construction layers of the model are formed from interface material having a harder modulus of elasticity from the layers forming the release layers, thereby allowing for the forming complex three-dimensional shapes.